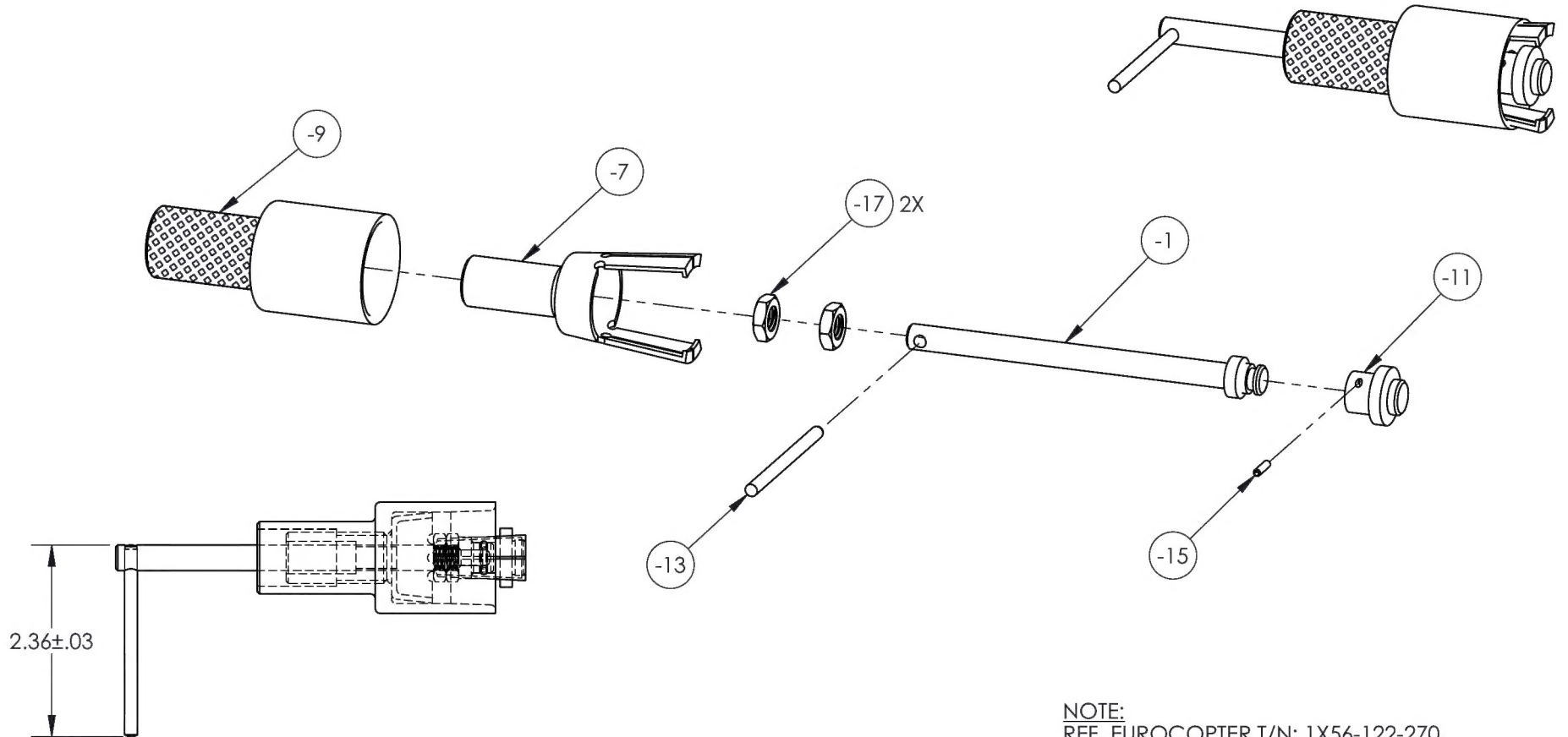


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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		RELEASED FOR PRODUCTION.	9/19/2016	DPD	JAG



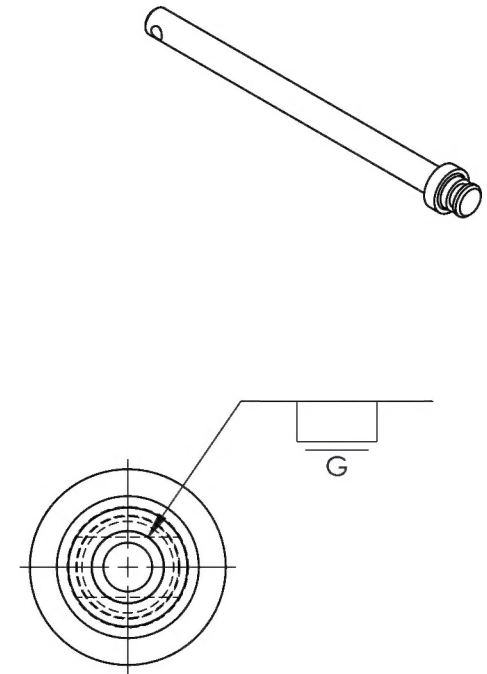
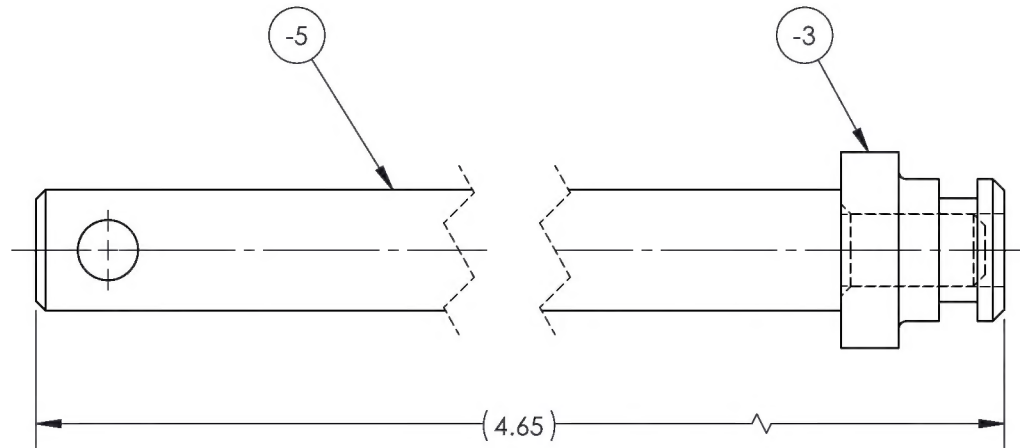
ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
	X		-1	1	THREADED ROD WELDMENT			2
	1		-3		THREADED ROD END	4140/4142		3
	1		-5		THREADED ROD	STEEL	M8 X 1.25mm, CLASS 10.9 (MCMaster-CARR #1078N12) MODIFIED	4
			-7	1	COLLET	S7		5
			-9	1	CLAMP	4140/4142		6
			-11	1	ROTATING END	4140/4142		7
		B/O	-13	1	DOWEL PIN	STEEL	M4 X 60mm (MCMaster-CARR #91595A192)	1
		B/O	-15	1	SPRING PIN	S.S.	M2 X 10mm (MCMaster-CARR #91610A205)	1
		B/O	-17	2	THIN HEX NUT	STEEL	M8 X 1.25mm (MCMaster-CARR #90695A040)	1
		B/O	-19	1	PISTOL CASE	PLASTIC	(RSR GROUP #10137)	N/S
	ASSY -1							

NOTE:
REF. EUROCOPTER T/N: 1X56-122-270.

DART AEROSPACE											
TITLE PULLER											
DWG NO. RBE1X56-122-270	REV 1										
<table border="1"> <tr> <td>MAT'L</td> <td>UNLESS OTHERWISE SPECIFIED</td> </tr> <tr> <td>HEAT TREAT</td> <td>DIMENSIONS ARE IN INCHES</td> </tr> <tr> <td>FINISH</td> <td>.XXX ± .005 FRACTIONS ± 1/8</td> </tr> <tr> <td>SPEC</td> <td>.XX ± .01 ANGLES ± .5°</td> </tr> <tr> <td></td> <td>.X ± .1 SURFACES = 125°</td> </tr> </table>		MAT'L	UNLESS OTHERWISE SPECIFIED	HEAT TREAT	DIMENSIONS ARE IN INCHES	FINISH	.XXX ± .005 FRACTIONS ± 1/8	SPEC	.XX ± .01 ANGLES ± .5°		.X ± .1 SURFACES = 125°
MAT'L	UNLESS OTHERWISE SPECIFIED										
HEAT TREAT	DIMENSIONS ARE IN INCHES										
FINISH	.XXX ± .005 FRACTIONS ± 1/8										
SPEC	.XX ± .01 ANGLES ± .5°										
	.X ± .1 SURFACES = 125°										
<table border="1"> <tr> <td>DRAWN BY:</td> <td>DUERFELDT</td> </tr> <tr> <td>CHECKED:</td> <td>CLOUGH</td> </tr> <tr> <td>OPPS APPR:</td> <td>ANDERSON</td> </tr> <tr> <td>QA APPR:</td> <td>LINDSAY</td> </tr> <tr> <td>APPROVED:</td> <td>GILBERT</td> </tr> </table>		DRAWN BY:	DUERFELDT	CHECKED:	CLOUGH	OPPS APPR:	ANDERSON	QA APPR:	LINDSAY	APPROVED:	GILBERT
DRAWN BY:	DUERFELDT										
CHECKED:	CLOUGH										
OPPS APPR:	ANDERSON										
QA APPR:	LINDSAY										
APPROVED:	GILBERT										
<table border="1"> <tr> <td>SCALE</td> <td>1:2</td> </tr> <tr> <td>DATE</td> <td>7/12/2016</td> </tr> <tr> <td colspan="2">SHEET 1 OF 7</td> </tr> </table>		SCALE	1:2	DATE	7/12/2016	SHEET 1 OF 7					
SCALE	1:2										
DATE	7/12/2016										
SHEET 1 OF 7											

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REVISIONS				
REV	ECR	DESCRIPTION	DATE	INITIAL
				APPROVED

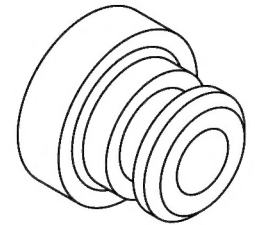
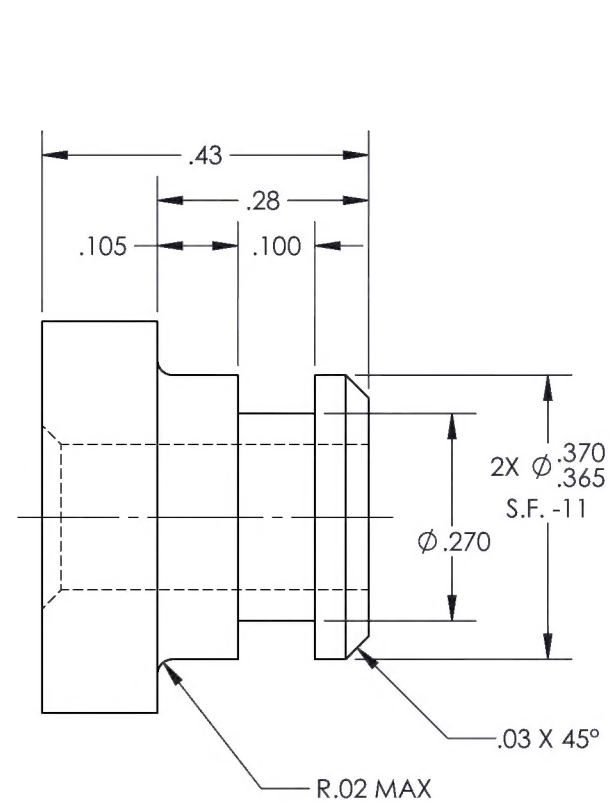
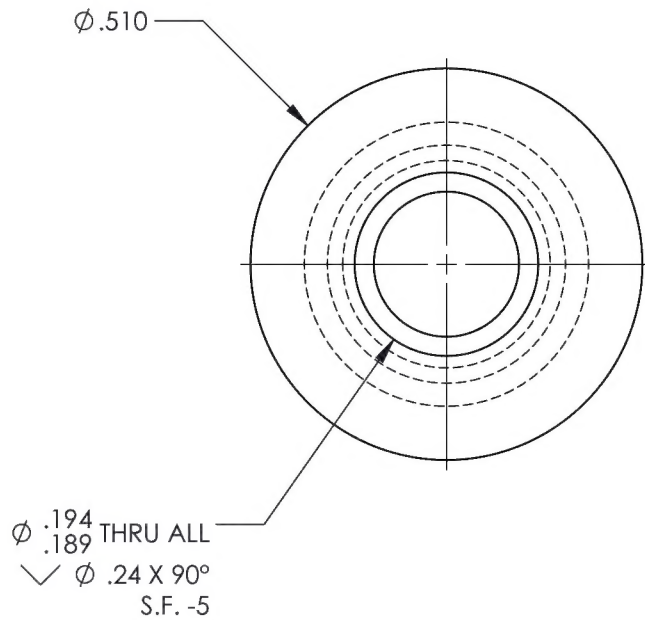


(-1)
THREADED ROD WELDMENT

DART AEROSPACE	
TITLE PULLER	
DWG NO. RBE1X56-122-270-1	REV 1
MAT'L STEEL	UNLESS OTHERWISE SPECIFIED
HEAT TREAT BLACK OXIDE	DIMENSIONS ARE IN INCHES
FINISH BLACK OXIDE	.XXX ± .010 FRACTIONS ± 1/8
SPEC QMSI-6.2.2, B.O. REV D	.XX ± .03 ANGLES ± 1°
DRAWN BY: DUERFELDT	.X ± .1 SURFACES = 125
CHECKED: CLOUGH	1. BREAK ALL SHARP EDGES
OPPS APPR: ANDERSON	.015 x 45° OR .015R
QA APPR: LINDSAY	2. DIMENSIONAL LIMITS APPLY
APPROVED: GILBERT	AFTER PLATING
SCALE 2:1	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
DATE 7/12/2016	USED ON MODEL
	EC145
	SHEET 2 OF 7

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				APPROVED



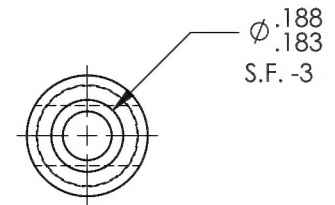
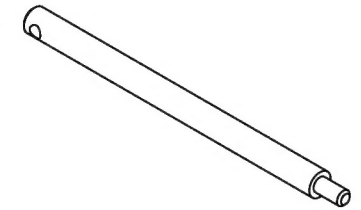
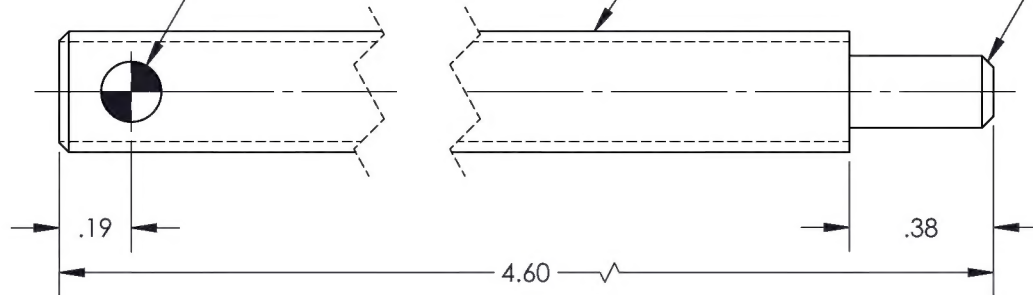
(-3)
THREADED ROD END

DART AEROSPACE	
TITLE PULLER	
DWG NO. RBE1X56-122-270-3	REV 1
MAT'L 4140/4142	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH SEE -1	.XXX ± .005 FRACTIONS ± 1/8
SPEC	.XX ± .01 ANGLES ± 5°
	.X ± .1 SURFACES = 125° ✓
DRAWN BY: DUERFELDT	1. BREAK ALL SHARP EDGES
CHECKED: CLOUGH	.015 x 45° OR .015R
OPPS APPR: ANDERSON	2. DIMENSIONAL LIMITS APPLY
QA APPR: LINDSAY	AFTER PLATING
APPROVED: GILBERT	3. INTERPRET DIM AND TOL PER
	ASME Y14.5M-2009
SCALE 4:1	DATE 7/12/2016
	SHEET 3 OF 7

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REVISIONS						
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED	

Ø .1574 THRU ALL
Ø .1569
P.F. -13



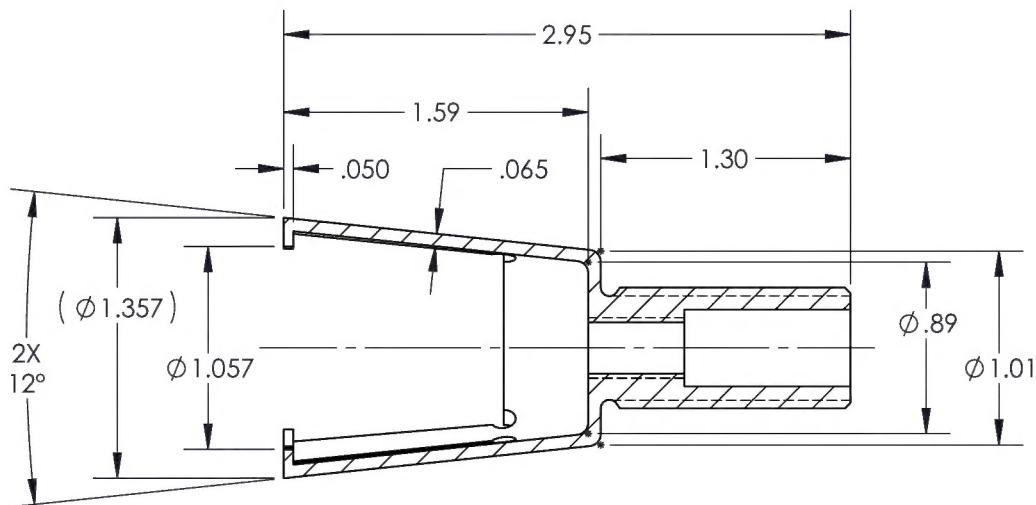
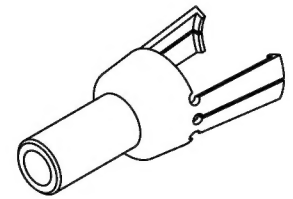
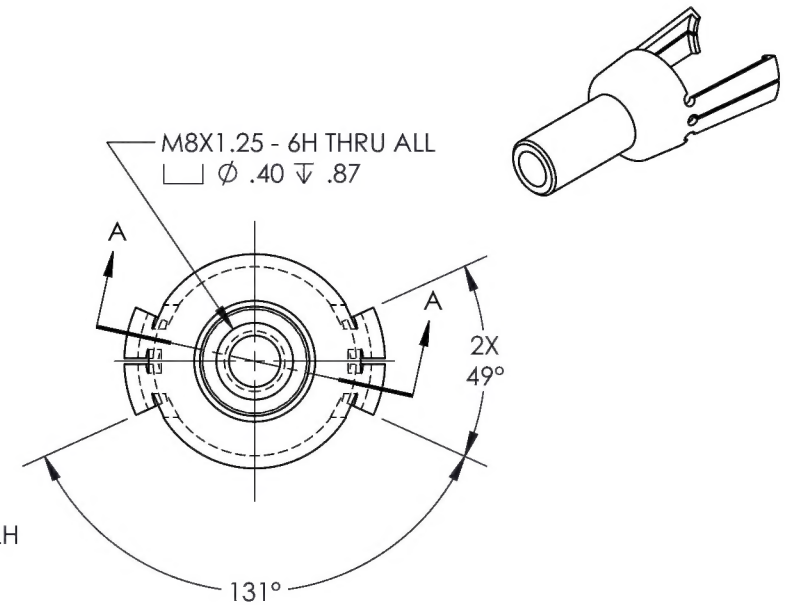
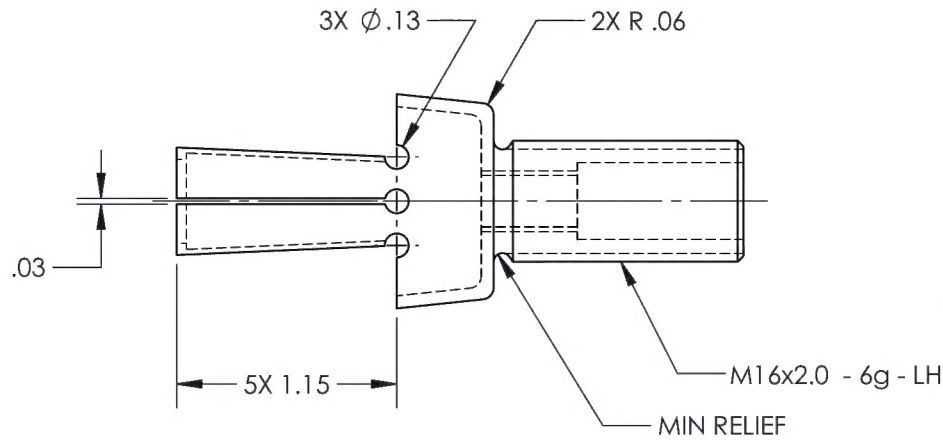
(5)

THREADED ROD

DART AEROSPACE	
TITLE PULLER	
DWG NO. RBE1X56-122-270-5	REV 1
MAT'L STEEL	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH SEE -1	.XXX ± .005 FRACTIONS ± 1/8
SPEC	.XX ± .01 ANGLES ± 5°
	.X ± .1 SURFACES = 125/✓
DRAWN BY: DUERFELDT	1. BREAK ALL SHARP EDGES
CHECKED: CLOUGH	.015 x 45° OR .015R
OPPS APPR: ANDERSON	2. DIMENSIONAL LIMITS APPLY
QA APPR: LINDSAY	AFTER PLATING
APPROVED: GILBERT	3. INTERPRET DIM AND TOL PER
	ASME Y14.5M-2009
	USED ON MODEL
	EC145
SCALE 2:1	DATE 7/12/2016
	SHEET 4 OF 7

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				APPROVED



SECTION A-A

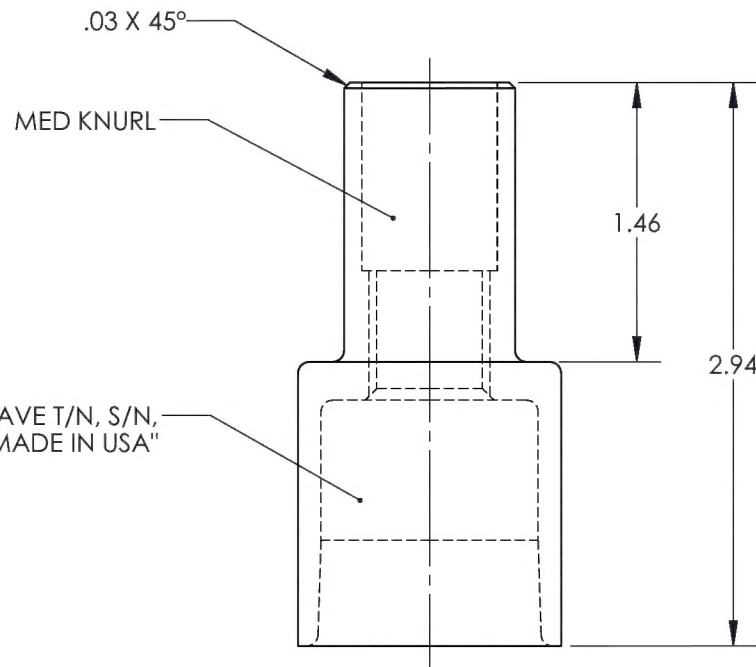
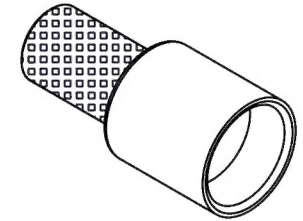
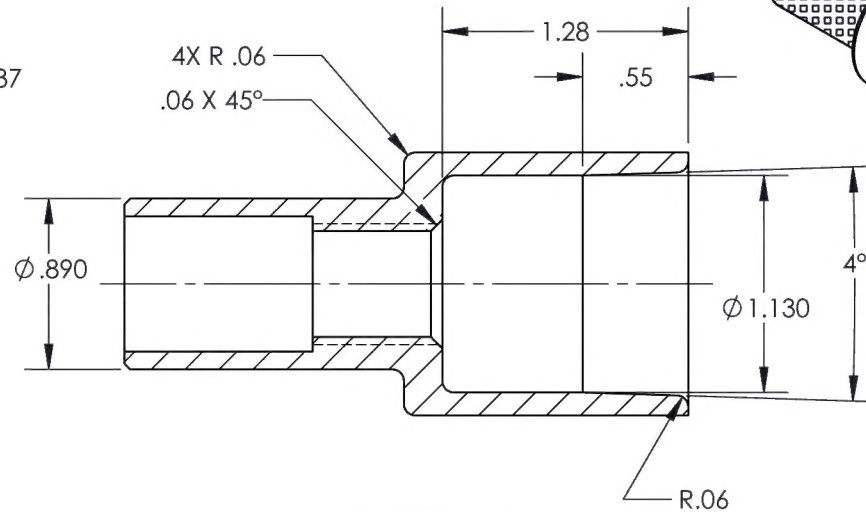
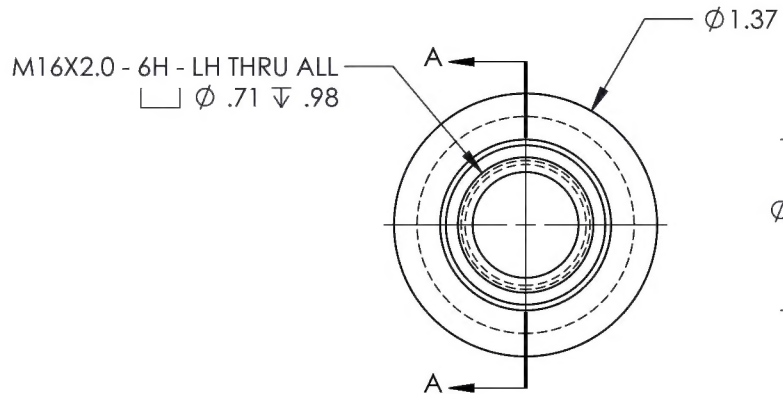
(-7)

COLLET

DART AEROSPACE	
TITLE PULLER	
DWG NO. RBE1X56-122-270-7	REV 1
MAT'L S7 HEAT RC 45-52 TREAT FINISH BLACK OXIDE SPEC QMSI-6.2.2, B.O. REV D	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX \pm .005 FRACTIONS \pm 1/8 .XX \pm .01 ANGLES \pm 5° .X \pm .1 SURFACES = 125°	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
DRAWN BY: DUERFELDT	USED ON MODEL EC145
CHECKED: CLOUGH	
OPPS APPR: ANDERSON	
QA APPR: LINDSAY	
APPROVED: GILBERT	
SCALE 1:1	DATE 7/12/2016
SHEET 5 OF 7	

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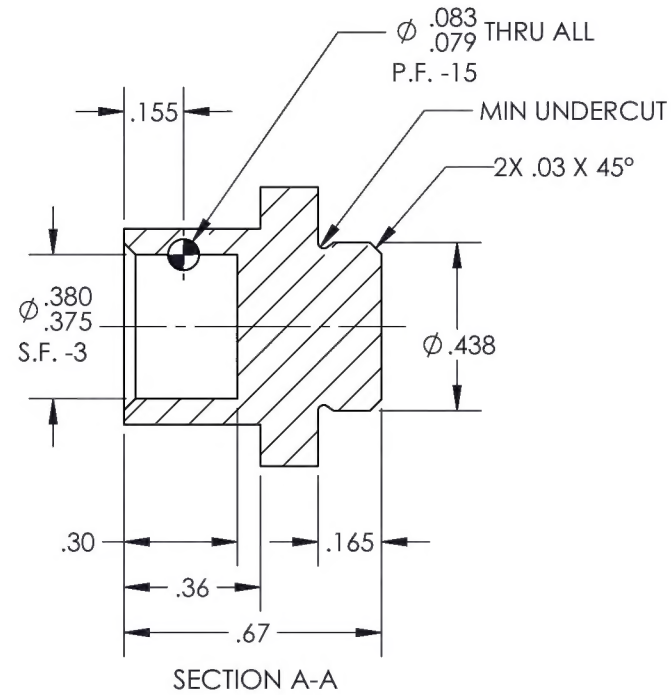
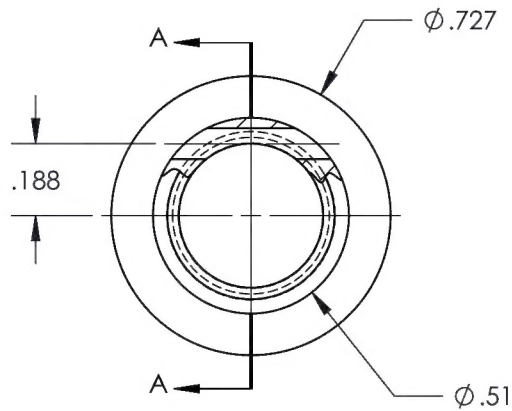
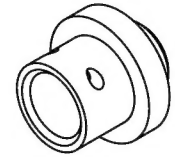
ENGRAVE T/N, S/N,
 "MADE IN USA"

(-9)
 CLAMP

DART AEROSPACE	
TITLE PULLER	
DWG NO. RBE1X56-122-270-9	REV 1
MAT'L 4140/4142 HEAT RC 55-60 TREAT FINISH BLACK OXIDE SPEC QMSI-6.2.2, B.O. REV D	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX \pm .005 FRACTIONS \pm 1/8 .XX \pm .01 ANGLES \pm 5° .X \pm .1 SURFACES = 125°	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
DRAWN BY: DUERFELDT	USED ON MODEL
CHECKED: CLOUGH	EC145
OPPS APPR: ANDERSON	
QA APPR: LINDSAY	
APPROVED: GILBERT	
SCALE 1:1	DATE 7/12/2016
SHEET 6 OF 7	

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				APPROVED



(-11)

ROTATING END

DART AEROSPACE	
TITLE: PULLER	
DWG NO. RBE1X56-122-270-11	REV 1
MAT'L 4140/4142	UNLESS OTHERWISE SPECIFIED
HEAT TREAT RC 28-34	DIMENSIONS ARE IN INCHES
FINISH BLACK OXIDE	.XXX ± .005 FRACTIONS ± 1/8
SPEC QMSI-6.2.2, B.O. REV D	.XX ± .01 ANGLES ± 5°
DRAWN BY: DUERFELDT	.X ± .1 SURFACES = 125
CHECKED: CLOUGH	1. BREAK ALL SHARP EDGES
OPPS APPR: ANDERSON	.015 x 45° OR .015R
QA APPR: LINDSAY	2. DIMENSIONAL LIMITS APPLY
APPROVED: GILBERT	AFTER PLATING
SCALE 2:1	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
DATE 7/12/2016	USED ON MODEL
SHEET 7 OF 7	EC145